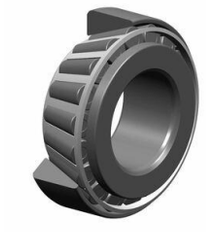


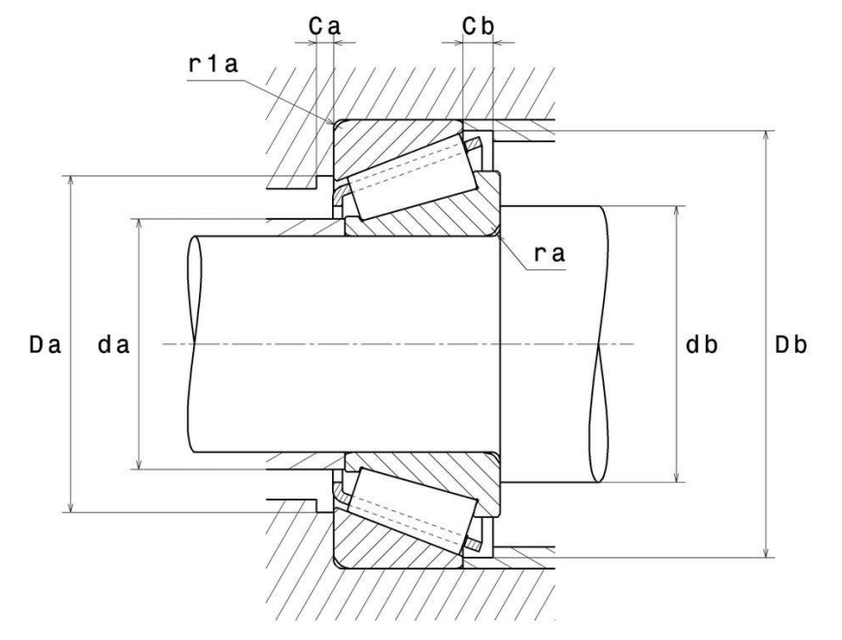
Technical data

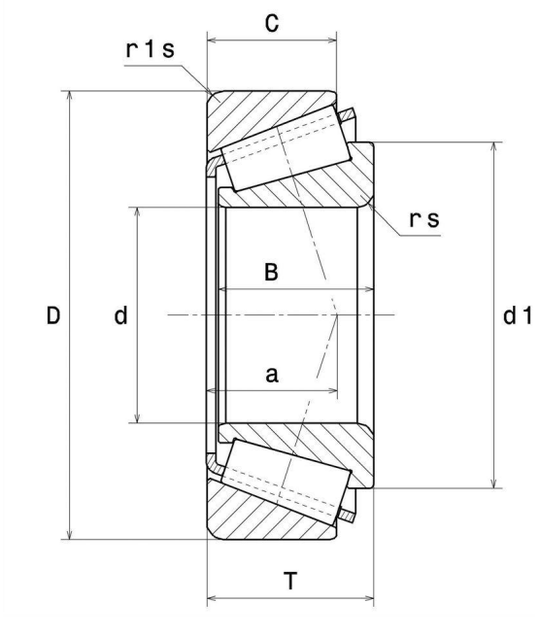
30226U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)





30226U
Single row tapered roller bearings

PRODUCT DIMENSIONS	
Internal diameter d	130 mm
External diameter D	230 mm
Bearing/Inner ring width(B)	40 mm
Outer ring width (C)	34 mm
Total width (T)	43,75 mm
External diameter inner ring d1	176 mm
Charge load application point a	45,5 mm
Min fillet radius rs	4 mm
Min fillet radius r1s	3 mm
Coef e	0.44
Upper axial load coef (Y2)	1.38
Static axial load coef (Y0)	0.76
Mass	7,05 kg
ISO 355 reference	T4FB130
Brand	NTN

PRODUCT PERFORMANCE	
Dynamic load, C	415 kN
Rating life coefficient, A2	1.0
Static load, C0	505 kN
Fatigue limit load, Cu	51,5 kN
Nlim (oil)	2000 tr/min
Nlim (grease)	1500 tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.432 Hz
Characteristic rolling element frequency, BSF	6.889 Hz
Characteristic outer ring frequency, BPF0	8.632 Hz
Characteristic inner ring frequency, BPFI	11.368 Hz

ABUTMENT	
Max shoulder diameter IR da max	152 mm
Min IR shoulder diameter (db min)	148 mm

ABUTMENT	
Min shoulder diameter OR Da min	203 mm
Max shoulder diameter OR Da max	216 mm
Min OR shoulder diameter Db min	218 mm
Min clearance Ca	7 mm
Min clearance Cb	9,5 mm
Max fillet radius ra max	3 mm
Maxi fillet radius r1a	2,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If $Po < Fr$, then use $Po = Fr$

The values for e, Y2 and Y0 are shown in the above table